**Index of Claims** 

Application No.

09/914,442

Examiner

Applicant(s)

HARLIN ET AL

Art Unit

Mark Eashoo, Ph.D.

1732

Rejected Allowed

(Through numeral) Cancelled ÷

Restricted

Non-Elected Ν 1

Interference

Appeal Α o Objected

|          |  | <u> </u>                                |              |          |  |              |  |  |  | <u> </u>        |         |  |
|----------|--|---|--------------|----------|--|--------------|--|--|--|-----------------|---------|--|
| Cla      | Date                                   |   |              |          |  |              |  |  |  |                 |         |  |
|          |  |   |              | Γ        |  |              |  | $\Box$                                       | П  |                 |         |  |
| ज        | Original                               | 2/21/04                                 |              |          |  |              |  |  |  |                 |         |  |
| Final    | rigi.                                  | /21                                     |              |          |  |              |  |  |  |                 |         |  |
| -        | 0                                      | 2                                       |              |          |  |              |  |  |  | -               | ĺ       |  |
|          | 1                                      | J                                       | ┢╌           | ┢        |  |              |  |  |  |                 | -       |  |
|          | 1<br>2<br>3<br>4<br>5                  | 777                                     |              |          | $\vdash$   | <del> </del> | <u> </u>   |  | $\exists$  |                 | 10      |  |
| ļ        | 3                                      | 1                                       | -            | ├        | ┢  | -            | -  | -  |  |                 |         |  |
|          | 4                                      | -                                       | -            |          |  | -            |  | $\vdash$                                     |  |                 |         |  |
| -        | 5                                      | 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | -            | -        |  | -            |  |  |  | -               |         |  |
| -        | - 5                                    | 1                                       | -            | ┢        | -  |              |  |  | -  | $\dashv$        |         |  |
| _        | - 7                                    | \<br>./                                 | -            |          | ├-   |              | -  |  |  |                 |         |  |
|          | 7<br>8                                 | , V                                     | -            | ┢        |  |              | -  |  | -  | $\dashv$        |         |  |
| -        | 8                                      | V                                       | -            | $\vdash$ |  | -            | -  |  |  | $\dashv$        |         |  |
| -        | 9                                      | V                                       | ┝-           |          | $\vdash$   |              | -,   | H  |  | -               | 1       |  |
|          | 10                                     | V .                                     |              | ļ        | <u> </u>   |              | ⊢  | -  |  |                 |         |  |
|          | 11                                     | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \   | _            | -        | -  | -            | _  | <u>.                                    </u> |  |                 |         |  |
|          | 12                                     | ٧                                       | _            | _        | _  | ļ            |  | ļ.,  | Ш  |                 |         |  |
|          | 13                                     | L                                       | _            | ļ        | L  | L            | _  |  |  |                 |         |  |
|          | 14                                     |   | _            | <u> </u> | ļ  | L            |  | <u>L</u> .                                   | Ш  |                 |         |  |
| L        | 15                                     |   |              | <u> </u> |  | _            | _  | _  |  |                 |         |  |
| L        | 16                                     |   | L.           | <u> </u> | <u> </u>   | ļ            | 1  | L  |  |                 |         |  |
| Ĺ        | 17                                     |   |              | L        |  |              | <u>L</u>   |  |  |                 |         |  |
|          | 18                                     | Г                                       |              |          | Ι  |              |  |  |  |                 |         |  |
|          | 12<br>13<br>14<br>15<br>16<br>17<br>18 | Γ                                       |              |          | Γ  |              |  |  |  |                 |         |  |
|          | 20                                     |   | Г            |          |  |              |  | П  |  |                 |         |  |
|          | 20<br>21                               |   |              | 1        |  |              |  |  |  |                 |         |  |
|          | 22                                     |   | Т            |          |  | Τ_           |  |  |  |                 |         |  |
|          | 22 <sub>.</sub><br>23                  |   |              | $\vdash$ | Т  | 1            |  |  |  |                 |         |  |
| 1        | 24                                     |   | $\vdash$     |          |  |              |  |  |  |                 |         |  |
| -        | 25                                     | $\vdash$                                | t            | $\vdash$ | +  | $\vdash$     |  | 1  | <del>                                     </del> |                 |         |  |
| -        | 26                                     | ╁╌                                      |              | ╁        | <del>                                     </del> | $\vdash$     | <del>                                     </del> |  |  | H               |         |  |
|          | 27                                     | ╁                                       | $\vdash$     | +        | ╁  |              | <del> </del>                                     | ╁╌   |  | $\vdash \dashv$ |         |  |
|          | 27<br>28                               | $\vdash$                                | $\vdash$     | -        | ╁╌   | $\vdash$     | -  | $\vdash$                                     | ├  | $\vdash$        |         |  |
| <u> </u> | 29                                     | ╁                                       | ╁            | -        | ╁  | <del> </del> | ┢  | $\vdash$                                     | $\vdash$   | $\vdash$        |         |  |
| -        | 29                                     | -                                       | ┼            | ╄        | -  | 1            | -  | $\vdash$                                     | $\vdash$   | $\vdash$        |         |  |
|          | 30                                     | 1                                       | ┼            | +-       | $\vdash$   | ⊬            | -  | -  |  | $\vdash$        |         |  |
| -        | 31                                     | <del> </del>                            | <del> </del> | +-       | ╀  | ┼            | $\vdash$   | $\vdash$                                     |  | $\vdash$        |         |  |
|          | 32                                     | ┡                                       | ↓            | ╀        | ∔  |              | -  | ╀  | <del> </del>                                     | Н               |         |  |
|          | 33                                     | ╄                                       | -            | -        | -  | -            | _  | ┼  | ├  | $\vdash\dashv$  |         |  |
| -        | 34                                     | -                                       | ↓_           | +-       | ┼-   |              | 1  | <del> </del>                                 | -  | Н               | 9       |  |
| <u> </u> | 35                                     |   | ┺            | $\perp$  | ┺  | ↓_           | ļ  | _  | <u> </u>   | Щ               |         |  |
| <u> </u> | 36                                     | lacksquare                              | 1            | -        | ╄  | ╄            | ــ   | ╄  | -  |                 |         |  |
|          | 37                                     |   | ┺            | ┸        | ↓_   | 上            | ╙  |  |  |                 |         |  |
|          | 38                                     | <u> </u>                                | ┺            | $\perp$  | _  |              | _  |  |  |                 |         |  |
|          | 39                                     |   |              | _        |  |              |  |  | <u> </u>   |                 |         |  |
|          | 40                                     |   | $\perp$      | _        | 1_   |              |  |  | 1  | Ш               |         |  |
|          | 41                                     |   | Γ            |          |  |              | Ĺ.   |  |  |                 |         |  |
|          | 42                                     | T                                       |              |          |  |              |  |  |  |                 |         |  |
|          | 43                                     | T                                       | T            | T        |  |              | Г  |  |  |                 |         |  |
|          | 44                                     | Ī                                       | Т            |          |  |              |  |  |  |                 |         |  |
|          | 45                                     | T                                       | 1            | T        |  | Т            | Т  | 1  |  |                 | -       |  |
| - 1      | 46                                     | 1                                       | T            | $\top$   | 1  |              | 1  | 1  | Т  | П               |         |  |
|          | 47                                     | 1                                       | T            | 1        | †  | $\top$       | T  | 1  | 1  | $\Box$          | 1       |  |
|          | 48                                     | +                                       | $\dagger$    | +        | +  | $\top$       | +  | 1  |  |                 | 1 11 11 |  |
|          | 49                                     | +-                                      | +            | +        | +  | +            | 十  | +  | $\vdash$   | $\vdash$        |         |  |
|          | 50                                     | +                                       | +            | +        | +  | ╁            | +-   | +  | $\vdash$   | $\vdash$        |         |  |
| L        | 1_50                                   | <u></u>                                 |              |          | ــــــــــــــــــــــــــــــــــــــ           |              |  | ٠.   | 1  | ш               |         |  |

|          | Claim          | Date     |          |          |  |                |          |          |  |              |
|----------|----------------|----------|----------|----------|--|----------------|----------|----------|--|--------------|
|          | <del></del>    |          |          |          |  |                |          |          |  |              |
| Final    | Original       |          |          |          |  |                |          |          |  | 0.0          |
| اً ا     | :   :2         |          |          |          |  |                |          |          |  | 15           |
| .=       |                |          |          |          |  |                |          | ,        |  | 5            |
| -        | 51             |          |          |          | _  |                | -        |          |  | $\dashv$     |
| ,        | 51<br>52<br>53 | $\vdash$ |          |          | -  |                |          | -        |  | $\dashv$     |
|          | 52             | $\vdash$ |          | ⊢        |  | <u> </u>       |          |          |  |              |
|          | 53             |          |          |          |  |                | _        |          |  |              |
| 9        | 54             |          |          |          |  |                |          | L        |  | 5            |
|          | 55             |          |          |          | İ  |                |          |          |  | 1.0          |
|          | 56             |          |          |          |  |                |          |          |  |              |
| 1        | 56<br>57       |          |          |          | Г  |                |          |          |  |              |
| -        | 58             |          |          | 1        |  | -              |          |          |  |              |
| -        | 50             | H        |          | H        |  | $\vdash$       | -        |          |  | -1           |
| åg       | 59<br>60       | $\vdash$ |          |          |  | ┝              |          |          | H  |              |
|          | 60             | <u> </u> |          | _        |  |                |          |          |  |              |
| L        | 61             | ļ        |          | 0        |  | <u> </u>       |          |          | Ш  |              |
| 10       | 61<br>62       |          |          |          | L  |                |          |          |  |              |
|          | 63             |          |          |          |  |                |          | ٦        |  |              |
|          | 64             | П        |          |          |  | _              |          | Γ        |  |              |
| 17       | 64<br>65       | 1        |          |          |  |                |          |          |  |              |
| -        | 66             | $\vdash$ |          | $\vdash$ | <del>                                     </del> |                | <u> </u> | -        | Н  | $\dashv$     |
| ·        | 00             |          | -        | -        |  |                | ┝        | ┢        |  | T.           |
|          | 67             | ┞        | _        | ┝        | ⊢  | ├              | -        |          | -  | -            |
|          | 68             | <u> </u> | <u> </u> | _        | 1  | _              |          | _        |  | _            |
| : L_     | 69             | L        |          |          | <u> </u>   | <u> </u>       | <u> </u> |          |  |              |
| 1        | 70             |          |          | 1        |  | l              | . *      |          |  |              |
| 132      | 71             |          |          | П        |  | ľ              |          |          |  |              |
| 81       | 72             |          |          | $\vdash$ | Т  |                | T        |          | 1  | П            |
|          | 72<br>73       | +        | _        | $\vdash$ | t  | $\vdash$       | <b>-</b> | $\vdash$ | <del>                                     </del> | П            |
|          | 73             | ╁        | -        |          | $\vdash$   |                | $\vdash$ | ╁╌       | ┢  | $\vdash$     |
| 1 1      | 74<br>75       | $\vdash$ | _        |          | ⊢  | ┼              | $\vdash$ | ├        | -  |              |
|          | /5             | ⊢        | _        | ļ        | <del> </del>                                     | ╄              | <u> </u> | <b>↓</b> | -  |              |
| 79       | 76             |          |          | 1_       | 1_   | <u> </u>       | _        | ļ        | <u> </u>   |              |
| -E       | 77             |          | L        | Ŀ        |  | <u> </u>       |          | _        | <u> </u>   |              |
|          | 77<br>78       | ļ        |          |          |  |                | <u> </u> |          | <u> </u>   |              |
| 103      | 79             | Π        |          | Γ        |  | Π              | I        |          |  |              |
|          | 80             |          |          |          |  |                |          |          |  |              |
| 9        | 81             | t        | $\vdash$ | $\top$   | 1  | 1              |          |          | T  |              |
|          | 82             | +        | -        |          | i i  | <del>  -</del> | $\vdash$ |          | 一  |              |
|          | 83             | ┼        |          | ╁        | 1  | +-             | ┼        | ╁╌       | $\vdash$   | Н            |
|          | 03             | 1-       | - 1      | ╄        | +-   | ┼              | -        | H        | ┢  | $\vdash$     |
| ·        | 84             | _        | <u> </u> | ╄        | <u> </u>   | -              | ┡        | ⊢        | ļ.,  | $\vdash$     |
| 3.       | 85             |          | L        | ↓_       |  | <u> </u>       |          | ļ        | _  |              |
|          | 86             | 1        | ŀ        | 1        |  |                |          |          |  |              |
| 1.1      | 87             | 1        |          |          | Γ  |                |          |          |  |              |
|          | 88             |          |          | T        |  |                |          |          | Π  |              |
| ,6       | 89             | 1        | <u> </u> | +        | ✝  | $\vdash$       | $\vdash$ | $t^-$    | -  | m            |
| 0        | 90             | +-       | ┢        | ╁╌       | +-   | ╁              | -        | +        | +-   |              |
| ×        | 91             | +        | ⊢        | +        | ╀  | -              | ╁        | ┼╌       | +-   | -            |
|          |                | ┼        | -        | 1        | -  | -              | -        | ┼-       | ₩  | $\vdash$     |
|          | 92             | _        | <u> </u> | 1        | $\vdash$   | $\perp$        | -        | 1        | 1  | Ш            |
|          | 93             | 1        | _        | 1        | 1_   | 1              | <u> </u> | 1_       | $\perp$  | Ш            |
| 75       | 94             |          | L        | 1_       | $\perp$  | L              | ╽        |          | 1  | $oxed{oxed}$ |
|          | 95             |          | Γ        | Π        | Γ  |                |          |          |  |              |
|          | 96             | T        | T        | 1        | 1  | 1              | $I^-$    | T        | Т  | П            |
| <u> </u> | 97             | +        |          | +        | +-   | +              | T        | +        | 1  | Н            |
| -        | 98             | +        | -        | +        | ╁  | +              | +        | +-       | $\vdash$   | $\vdash$     |
|          |                | +        | 1        | +        | +  |                | +        | +-       | +  | $\vdash$     |
| 1,5      | 99             | 1        | $\vdash$ | 4_       | 4  | 4              | 1        | +-       | $\vdash$   |              |
|          | 100            | 1        | 1        |          | 1  | 1              | 1        |          | 1  |              |

| CI       |            |              |          |           | ate          | <del>)</del> |              |              |          |          |
|----------|------------|--------------|----------|-----------|--------------|--------------|--------------|--------------|----------|----------|
| Final    | Original   |              |          |           |              |              |              |              |          |          |
|          | 101        |              | -        |           |              |              |              |              |          |          |
|          | 102<br>103 |              |          |           |              |              |              |              |          |          |
|          | 103        |              |          |           |              |              |              |              |          |          |
|          | 104        |              |          |           |              |              |              |              |          |          |
| [        | 104<br>105 |              |          |           |              |              |              |              |          |          |
|          | 106        |              |          |           |              |              |              |              |          |          |
|          | 107        |              |          |           | L            |              |              |              |          |          |
|          | 108        |              |          |           |              |              |              |              |          |          |
|          | 109        |              | _        |           | <u> </u>     |              |              |              |          |          |
|          | 110        |              |          | L_        | <u> </u>     |              |              |              |          |          |
|          | 111        |              |          | ļ         |              |              |              |              |          |          |
|          | 112<br>113 |              |          |           |              | ļ            |              |              | _        |          |
|          | 113        |              |          | _         | _            |              |              |              |          |          |
|          | 114        |              | _        | _         |              | ļ            | ļ            |              |          |          |
|          | 115<br>116 |              |          | ├         |              | _            |              |              | Щ        |          |
| 1        | 116        |              |          | ╙         |              | _            | -            |              |          |          |
|          | 117<br>118 |              |          | ├-        |              | <u> </u>     | _            |              | -        |          |
| -        | 118        |              |          |           |              | <u> </u>     |              | <u> </u>     | -        |          |
| <u> </u> | 119        | -            |          | ├-        |              | ├            | -            | <u> </u>     |          | _        |
|          | 120<br>121 | _            |          | 1         | ├            | <del> </del> | -            | -            | _        | ├        |
|          | 121        |              | _        | ļ         | <u> </u>     |              |              |              |          | $\vdash$ |
|          | 122        | <u> </u>     |          | -         | <del> </del> | _            |              | _            | -        | <u> </u> |
|          | 123        | <u> </u>     | _        | -         | -            | -            | 1            |              | -        | -        |
|          | 124        |              | L        | -         | $\vdash$     | -            | ├            |              | -        | -        |
|          | 125<br>126 | <u> </u>     | -        |           | H            | -            | ├            |              | -        | -        |
| -        | 127        | -            | $\vdash$ | ╫         | ⊢            | -            |              |              | -        | -        |
| <b> </b> | 127        |              | H        | $\vdash$  | $\vdash$     | ╁            | <del> </del> |              |          |          |
|          | 128<br>129 | -            | <u> </u> | -         | -            | ┢╌           | ├            | -            | $\vdash$ | -        |
|          | 130        |              | $\vdash$ | $\vdash$  | ╁            | $\vdash$     | $\vdash$     | $\vdash$     | -        | -        |
|          | 131        | ╁─           | -        | $\vdash$  | -            | -            |              | -            | -        | $\vdash$ |
| -        | 132        | 1-           |          | ╁╌        | ╁            | -            | -            | <del> </del> | <u> </u> | $\vdash$ |
|          | 133        | $\vdash$     | -        | +-        | <del> </del> | $\vdash$     | $\vdash$     |              | 1        | $\vdash$ |
| -        | 134        | +-           |          | $\vdash$  | <del> </del> | -            |              | -            | $\vdash$ | -        |
| $\vdash$ | 135        | <del> </del> |          | +         | $\vdash$     | $\vdash$     | -            | $\vdash$     | Ħ        |          |
|          | 136        |              | -        | $\dagger$ | 十一           | T            |              |              |          | T        |
|          | 137        | 1            | -        | -         | †            | t            | 1            | $\vdash$     | T        | <u> </u> |
|          | 138        | Т            | ┢        | 1-        |              |              | Т            | $\vdash$     | T        |          |
|          | 139        |              | Г        | $\dagger$ | 1            |              | Т            |              | †        | <u> </u> |
|          | 140        |              |          | T         | $\top$       | T            |              |              |          |          |
|          | 141        | T            | $\vdash$ | T         | T            | T            |              |              |          |          |
|          | 142        | 1            |          | 1         |              | T            |              | Γ            |          |          |
|          | 143        | Т            |          | 1         |              | 1            | 1            | Γ            |          |          |
|          | 144        |              |          |           |              |              |              |              |          |          |
|          | 145        |              | Γ        | 1         | 1            |              |              |              |          |          |
|          | 146        |              | Γ        |           |              |              | Ι            | L            |          |          |
|          | 147        |              | Γ        |           |              | Ι            |              |              |          |          |
|          | 148        |              |          |           |              |              |              |              |          |          |
|          | 149        |              |          |           |              |              |              | L            |          |          |
|          | 150        |              |          | Ī         |              |              |              |              |          | Γ        |